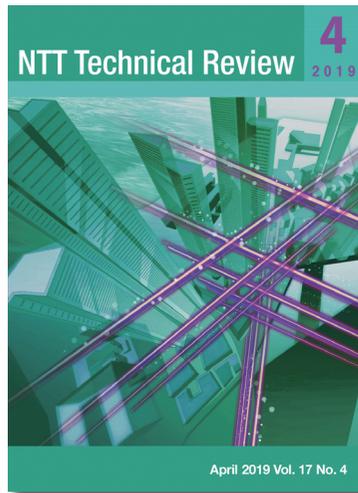


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Naoki Shibutani, Senior Executive Vice President, NTT EAST

▼Overview

NTT EAST is committed to achieving prosperous regional communities and sustainable development. On the basis of its original mission as a telecom carrier to *connect people*, it is now undertaking a new initiative as *an information and communication technology (ICT) solutions company moving together with regional communities* with the aim of solving the issues confronting its regional customers through the use of ICT. We asked Naoki Shibutani, Senior Executive Vice President, to tell us about the stance that NTT EAST needs to take to solve social problems and the progress it has made toward 2020.



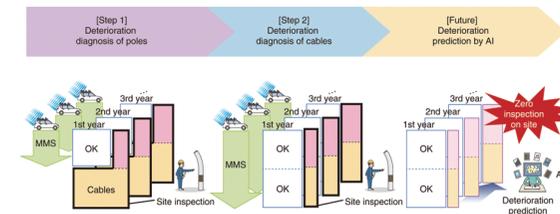
Feature Articles

NTT Tsukuba Forum 2018 Workshop Lectures

Research and Development of New Operating Techniques for Access Network Infrastructure

▼Abstract

This article reviews our recent R&D focused on innovating infrastructure maintenance and deployment. This includes techniques for carrying out facility inspections, condition sensing, and secure on-site work. It also introduces our vision for the future operation and management of access network infrastructure.



Regular Articles

Simulation Technology for Analysis and Virtual Fabrication of High-speed Opto-electronic Modules

▼Abstract

In the last decade, demand for high-speed data transmission has been growing dramatically not only for datacenter traffic but also for mobile and fiber-optic access networks. To meet the demand, NTT Device Innovation Center (DIC) has been developing opto-electronic modules, including a receiver optical subassembly, transmitter optical subassembly, intradyne coherent receiver, and a coherent driver modulator. NTT DIC has been working to accelerate the deployment of these opto-electronic modules on actual fiber-optic networks and has developed technology enabling full-digital virtual fabrication of high-speed opto-electronic modules on computer. In this article, we describe the latest simulation technology, focusing in particular on the opto-electronic modules and their capabilities and performance.

